

Retrograde Amelioration

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Gemology Online Faceting Design Competition 2013

Vindictive Entry 4

Angles for R.I. = 1.540

53 + 11 girdles = 64 facets

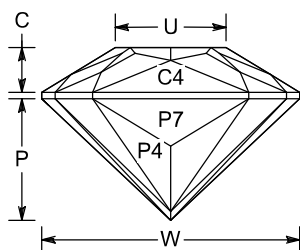
1-fold, mirror-image symmetry

96 index

$L/W = 1.278$ $T/W = 0.554$ $U/W = 0.430$

$P/W = 0.470$ $C/W = 0.174$

$Vol./W^3 = 0.270$



PAVILION

P1	43.79°	21-27-69-75	Cut to centerpoint.
P2	42.48°	18-30-66-78	Meet at culet.
G1	90.00°	21-27-69-75	Set stone width.
G2	90.00°	15-33-63-81	Meet P1, P2, G1
P3	43.30°	15-33-63-81	Level girdle.
P4	43.01°	06-90	Meet P2, P3
P5	42.46°	34-62	Meet P2, P3
G3	90.00°	96	Meet G2, P3, P4
G4	90.00°	36-60	Meet G2, P3, P5
P6	42.30°	36-60	Level girdle.
P7	64.46°	96	Level girdle.

CROWN

C1	36.72°	21-27-69-75	Set girdle width.
C2	36.72°	15-33-63-81	Level girdle.
C3	41.64°	36-60	Level girdle.
C4	46.66°	96	Level girdle.
C5	34.78°	34-62	Meet G2, G4, C2, C3
C6	31.43°	24-72	Meet G1, C1
C7	30.00°	31-65	Meet G1, G2, C1, C2
C8	30.00°	29-67	Meet G1, G2, C1, C2, C7
C9	30.00°	18-78	Meet G1, G2, C1, C2
C10	29.05°	06-90	Meet G2, G3, C2, C4
C11	23.07°	35-61	Meet C3, C5
C12	28.37°	32-64	Meet C2, C5, C7
C13	28.21°	19-77	Meet C1, C6, C9
C14	25.27°	12-84	Meet C2, C9, C10
C15	14.95°	01-95	Meet C4, C10, C14
T	0.00°	Table	Meet C7, C8, C12; C13, C14, C15

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